

## Patent Abstracts of Japan

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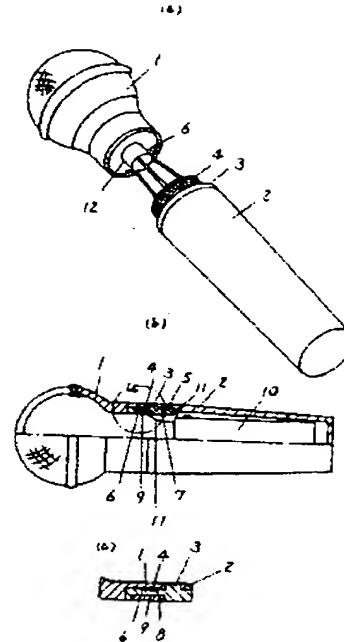
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TITLE : WIRELESS MICROPHONE



ABSTRACT : PURPOSE: To attain excellent matching and to simplify a structure by applying capacitive coupling to a head case with an electrode.

CONSTITUTION: An insulation ring 3 connecting a head case 1 and a main body case 2 with electric insulation is provided and an electrode 9 is fitted to a slot 8 formed to the head case 1 side of the insulation ring 3 and acts like an abbreviated capacitor to attain capacitor coupling with the head case 1. Then a high frequency power wave is oscillated from a transmission section 10 to supply power to the electrode 9 and the main body case 2 through a feeding cable 11 and the capacitive feeding is applied to the head case 1 by the electrode 9 and the head case 1 acts like a hot antenna element and the main body case 2 acts like an earth side antenna element. Thus, excellent matching is applied and the antenna efficiency is improved to reduce the vibration of hand-holding and the structure of the feeding section is simplified.

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